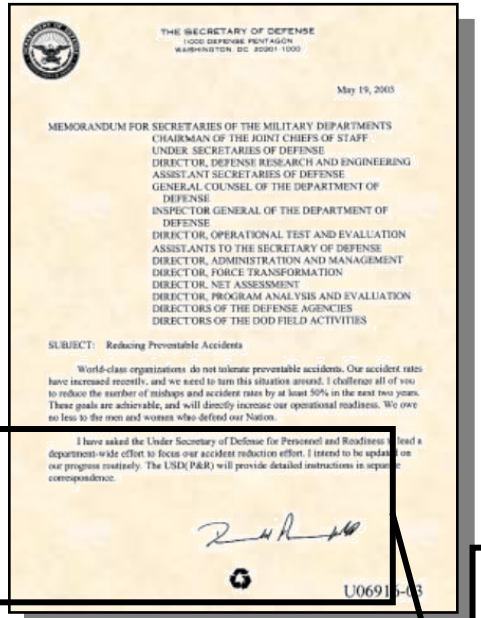
DSOC Aviation Safety Improvements Task Force Human Factors Working Group

Lt Col Don White

SECDEF Challenge



THE SECRETARY OF DEFENSE
1000 DEFENSE PENTAGON
WASHINGTON, DC 20301-1000

May 19, 2003

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
CHAIRMAN OF THE JOINT CHIEFS OF STAFF
UNDER SECRETARIES OF DEFENSE
DIRECTOR, DEFENSE RESEARCH AND ENGINEERING
ASSISTANT SECRETARIES OF DEFENSE
GENERAL COUNSEL OF THE DEPARTMENT OF DEFENSE
INSPECTOR GENERAL OF THE DEPARTMENT OF DEFENSE
DIRECTOR, OPERATIONAL TEST AND EVALUATION
ASSISTANTS TO THE SECRETARY OF DEFENSE
DIRECTOR, ADMINISTRATION AND MANAGEMENT
DIRECTOR, FORCE TRANSFORMATION
DIRECTOR, NET ASSESSMENT
DIRECTOR, PROGRAM ANALYSIS AND EVALUATION
DIRECTORS OF THE DEFENSE AGENCIES
DIRECTORS OF THE DOD FIELD ACTIVITIES

SUBJECT: Reducing Preventable Accidents

World-class organizations do not tolerate preventable accidents. Our accident rates have increased recently, and we need to turn this situation around. I challenge all of you to reduce the number of mishaps and accident rates by at least 50% in the next two years. These goals are achievable, and will directly increase our operational readiness. We owe no less to the men and women who defend our Nation.

I have asked the Under Secretary of Defense for Personnel and Readiness to lead a department-wide effort to focus our accident reduction effort. I intend to be updated on our progress routinely. The USD(P&R) will provide detailed instructions in separate correspondence.

U0691[illegible]-03

- **SECDEF Memo, 19 May 03**
- **Cut number of mishaps & accident rates 50%**
- **Accomplish 50% goal in next two years**
- **DoD wide effort managed by USD (P&R)**
- **Defense Safety Oversight Council (DSOC)**
- **SPG language added in FY04**

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DSOC Expectations

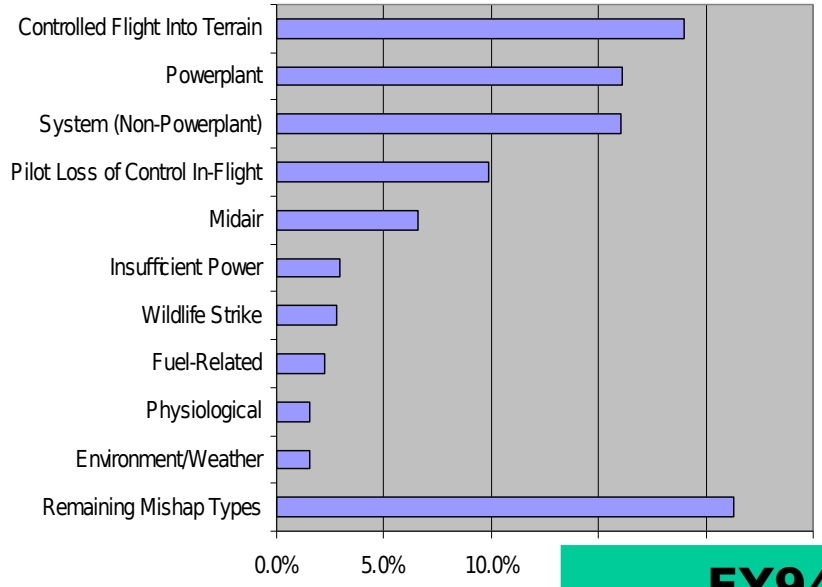
- Foster new ideas/initiatives for quick implementation across DoD
- Recommend policies, programs, and other investments to reduce accidents and injuries
- Focus on specific reduction areas – be data and results oriented
- Use baseline metrics
  - FY 2002 baseline year
  - FY 2004 and 2005 reduction years
- Provide regular updates to the DSOC
- Continue with this charter until reduction goal is attained

DSOC Task Forces

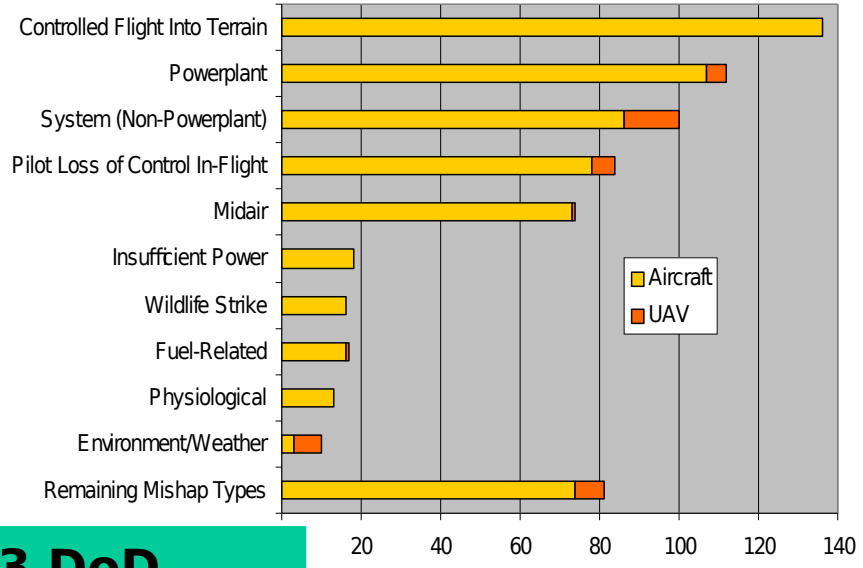
Task Force	Lead
Aviation Safety Improvements	Maj Gen Lee McFann, USAF
Deployment and Operations	Brig Gen Maury Forsyth, Joint Staff
Military Training	Mr Jim Gunlicks, USA
Private Motor Vehicle Accident Reduction	Maj Gen Robert Dickerson, USMC
Installation and Industrial Operations	RADM Stephen Turcotte, USN
Worker's Compensation	Mr John Moseley, DUSD, CPMS (acting)
Enterprise Information and Data	Mr Joe Angello, DUSD (P&R) and Mr Curtis Bowling, DUSD (I&E)
Acquisition and Technology Programs	Mr Mark Schaeffer, DUSD (AT&L)

FY94-03 DoD AVIATION

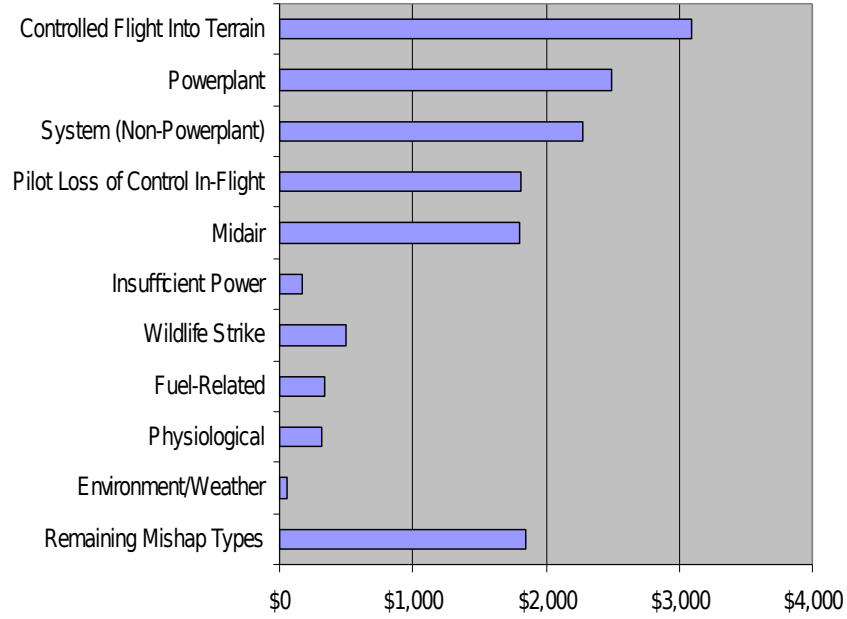
% of Class A Mishaps by Type



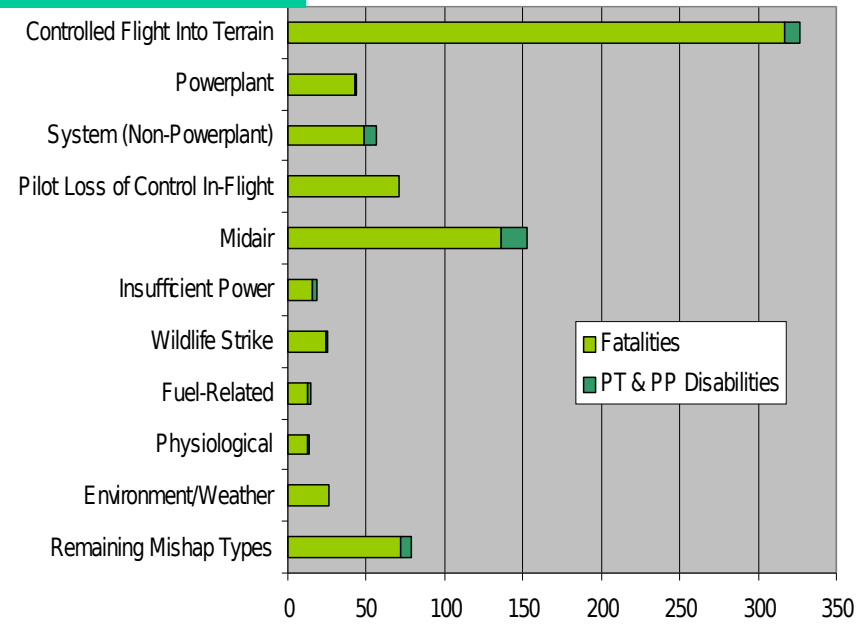
Destroyed Aircraft & UAV by Type



Non-Injury Costs ($M FY03) by



alities & Disabilities by Type



Recommended Study Areas

Aviation

- Controlled Flight Into Terrain
- Midair Collision
- Pilot Loss of Control In-Flight
- Power plant

DoD Aviation Challenges

- **Examine leading mishap categories: identify and mitigate hazards**
  - **Common mishap accounting methods – meaningful metrics**
  - **Common taxonomy / lexicon**
  - **Data-driven process development**
  - **Data collection tools**
  - **Mishap reviews – time and manpower intensive**
  - **Sparse data to collect**

HGWG History

- **Nov 2003**
  - **Joint Safety Chiefs directed Human Factors Working Group to work with Defense Safety Oversight Council Aviation Safety Improvement – Task Force**

HGWG History

- Jan 2004
  - DSOC ASI-TF Human Factors Working Group established and tasked to create a joint services Human factors analysis taxonomy

Information Sharing DoDI 6055.7

- **Apr 2004**
  - **E4.2. GENERAL**
  - **The DoD Components shall:**
  - **E4.2.1. Adopt the accident categories, classification criteria, human error categorization system, and reporting formats and procedures contained in this Instruction. This does not prevent the DoD Components from collecting, classifying, and maintaining additional data for their individual accident prevention needs.**
  - **E4.2.X. Establish procedures to provide for the cross-feed of human error data using a common human error categorization system that involves human factors taxonomy accepted among the DoD Components and U.S. Coast Guard.**

Information Sharing DoDI 6055.7

- **E4.15. CROSS-FEED OF ACCIDENT DATA**

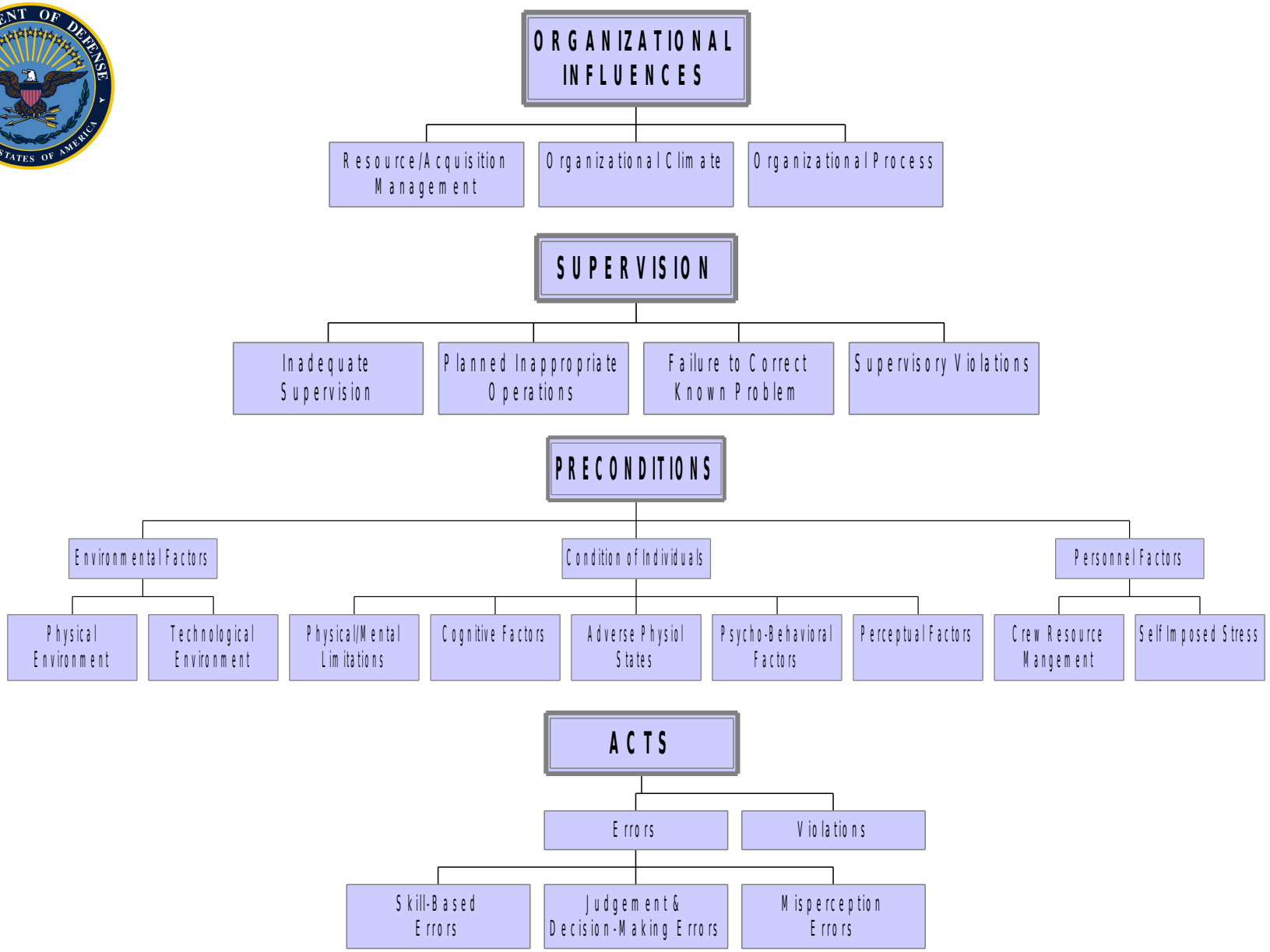
- **E4.15.1.1. Shall provide for the cross-feed of accident**

  data that involves like equipment or similar operations

  among the DoD Components and U.S. Coast Guard. That cross-feed shall include applicable information about equipment safety modifications, human performance threats, hazards and human error.

HFWG Charter Primary goals

- **Promote common Human Factors Analysis and Classification System for DoD-wide implementation**
- **Recommend standardization of Human Factor and Human Performance terminology**
- **Promote standardization of Human Factor data collection for DoD**
- **Provide Human Factors subject matter experts to all ASI TF working groups, JSAT, JSIT**



DOD Human Error Taxonomy

Human Factors Analysis and Classification System

COMMENTS